



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 78 40 33

Classification of the application (IPC):
H04L 12/28, G06F 13/42, G06F 15/16, G06F 15/17, G06F 15/173

Technical fields searched (IPC):
G06F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 5155851 A (KRISHNAN KOMANDUR R [US]) 13 October 1992 (1992-10-13) * abstract * * column 1 - column 2 * * figure 1 *	1-9
X	WO 2010147590 A1 (HEWLETT PACKARD DEVELOPMENT CO [US]; GOLDSTEIN MARTIN [US]; CASIM KAMR) 23 December 2010 (2010-12-23) * paragraph [0003] - paragraph [0027]; figures 1, 2 *	1-9
X	US 2011196951 A1 (CHEN CHE-HUNG [TW] ET AL) 11 August 2011 (2011-08-11) * paragraph [0014] - paragraph [0027]; figures 1-5 *	1-9

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 13 November 2018	Examiner Rudolph, Stefan
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 13-11-2018
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5155851	A	13-10-1992	<i>NONE</i>	
WO2010147590	A1	23-12-2010	CN EP US WO	102461088 A 2443799 A1 2012014390 A1 2010147590 A1
US 2011196951	A1	11-08-2011	TW US US	201128406 A RE46770 E 2011196951 A1
				16-05-2012 25-04-2012 19-01-2012 23-12-2010 16-08-2011 03-04-2018 11-08-2011